

KENWOOD

CASSETTE-RECEIVER

KRC-757

## INSTRUCTION MANUAL

Take the time to read through this instruction manual. Familiarity with installation and operation procedures will help you obtain the best performance from your new cassette-receiver.

### For your records

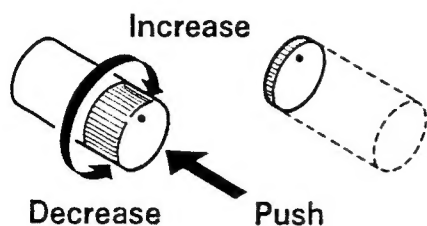
Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on this product.

Model KRC-757    Serial number \_\_\_\_\_

# Controls and indicators

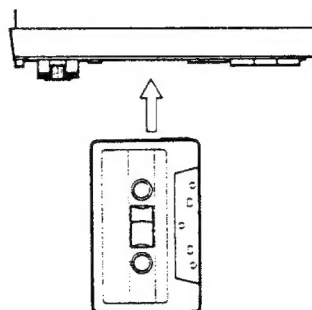
## Bass, Treble control

Each time this knob is pressed, it stays out or in. It must be out to adjust the bass/treble response, and may be pushed in when not in use.



## Cassette tape slot

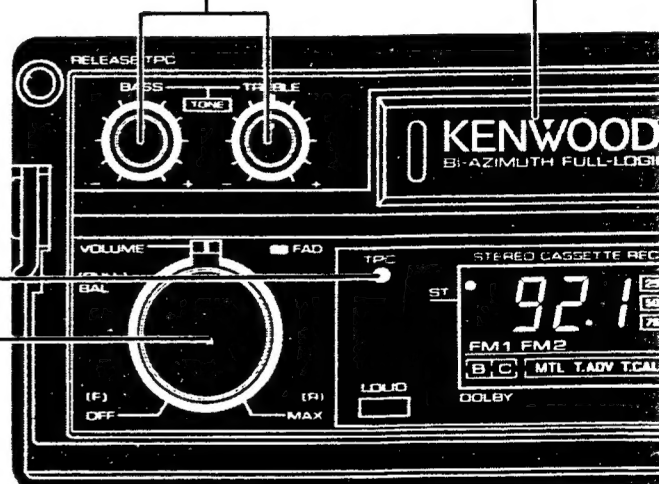
When a cassette is inserted, it is automatically loaded, and playback starts. To engage key OFF eject, turn ignition key to OFF position and the tape is automatically ejected.



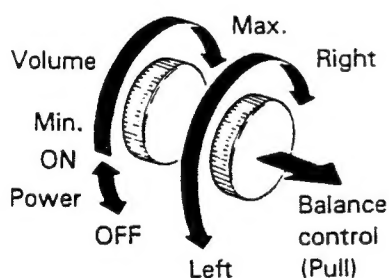
## T.P.C. (Theft Prevention Chassis) indicator

When inserting the unit into the detachable case, this indicator lights as a warning that the unit is not secure properly.

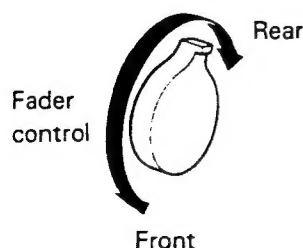
This indicator goes off when the unit is secure.



## Power ON/OFF switch (Volume)



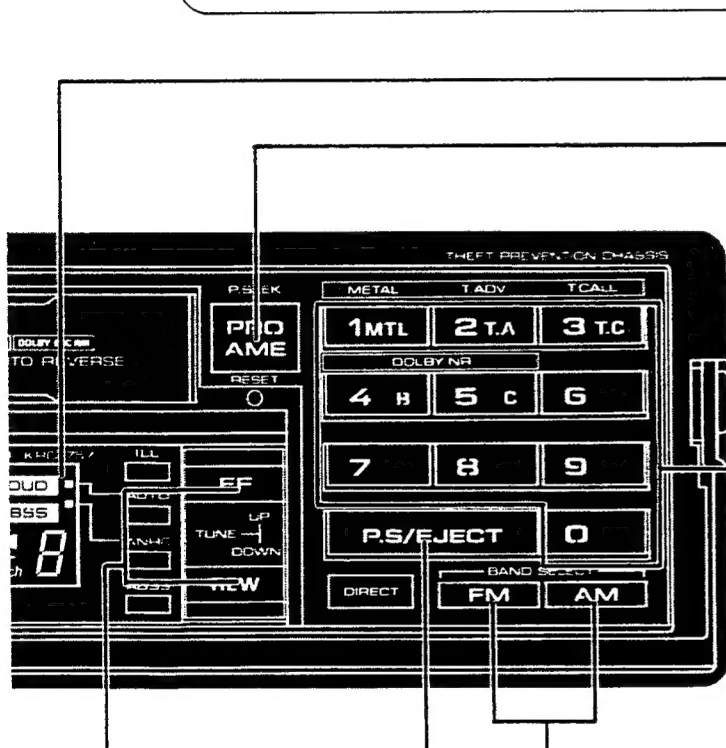
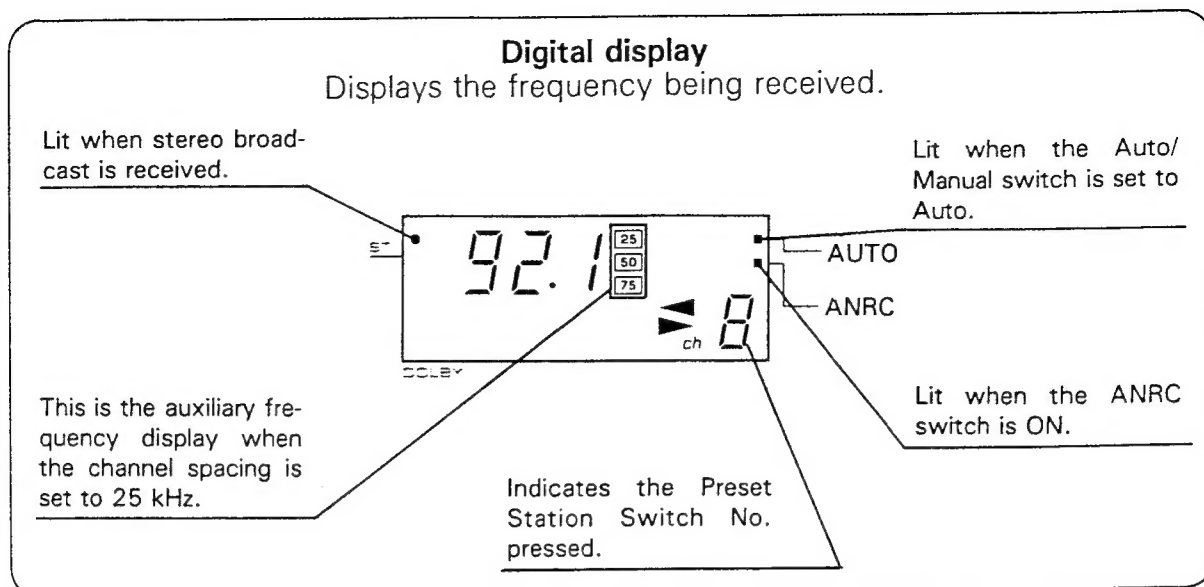
## Fader control



## Fast Forward/Rewind/Tuning switch

In Tape Play mode, this switch permits Fast Forward or Rewind operations.

In Tuner mode, when this switch is pressed with the Auto/Manual switch set to Auto, the unit automatically seeks the frequency, and stops when a broadcast is received. In Manual mode, press this switch once to change the receiving frequency by one step. When this switch is kept pressed, the frequency changes continuously.



### Program/Preset Seek/ Auto memory switch

If this switch is pressed during playback, the tape direction is reversed. If this switch is pressed during Fast Forward or Rewind mode, the Fast Forward or Rewind mode is released and the unit enters Play mode.

In Tuner mode, when this switch pressed momentarily, the preset stations will each be received sequentially. When this switch is pressed for 2 seconds, Auto memory operation will be activated.

### Preset station switches (1 — 0)

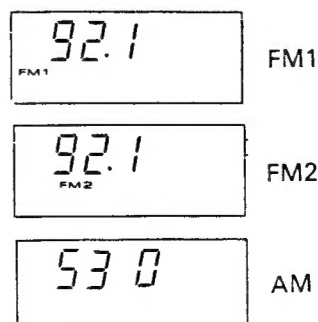
In Tuner mode, one switch can memorize one station for each band (FM1, FM2 and AM).

### Preset Scan/Eject switch

Pressing this switch during tuner operation will activate the Preset Scan mode. This will provide a 5 second sampling of each preset from the current listening memory bank. When desired station is reached, press Preset Scan switch again or corresponding Preset station switch to end Preset Scan mode. When this switch is pressed during tape playback, the cassette is ejected.

### Band selector/Indicators

Selects reception band. Indicates the current receiving band.



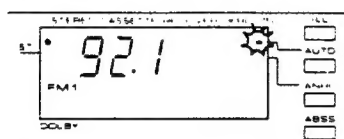
# Controls and indicators

## Illumination switch

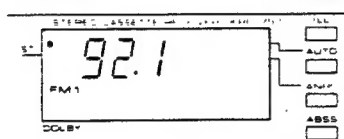
This switch is used to select the illumination, between Green and Orange.

## Auto/Manual switch

This switch is used to select the tuning mode between Auto (seek) and Manual.



Auto



Manual

## Reset button

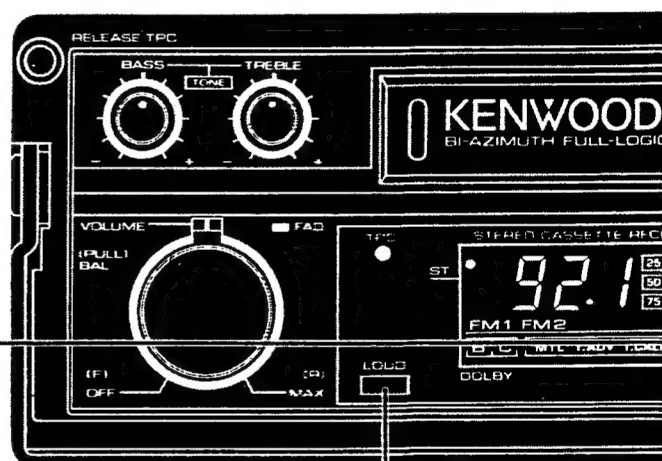
When the installation and all the wiring is finished, press this button.

When the microprocessor (micro-computer) malfunctions, press this button using a sharp-pointed object (such as a pencil).

When this button is pressed, the unit is reset to its initial state. Therefore, all the memories and clock are erased and will need to be adjusted.

## ANRC (Automatic Noise Reduction Circuit) switch

With this switch ON, when the signal of the receiving station drops, the background noise, which normally increases in such a case, will be reduced automatically.



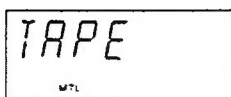
## Loudness switch

When listening at low volume levels, pressing this switch will activate the loudness circuit which will compensate for the human ear's lack of sensitivity to bass at low levels.

## ABSS (Automatic Broadcast Sensor System) switch

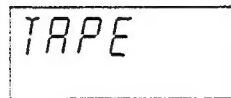
With this switch ON, when the signal of the receiving station drops below a threshold level, auto-tuning will start to seek the nearest higher frequency the station with a stronger signal.

### Metal switch (Tape selector)



(Display)

In Tape Play mode, position for Metal, Chrome, or High Bias tapes ( $\text{CrO}_2$ ) ( $70 \mu\text{S}$  EQ).



(Display)

In Tape Play mode, position for Normal tapes ( $120 \mu\text{S}$  EQ).

### Tape advance switch

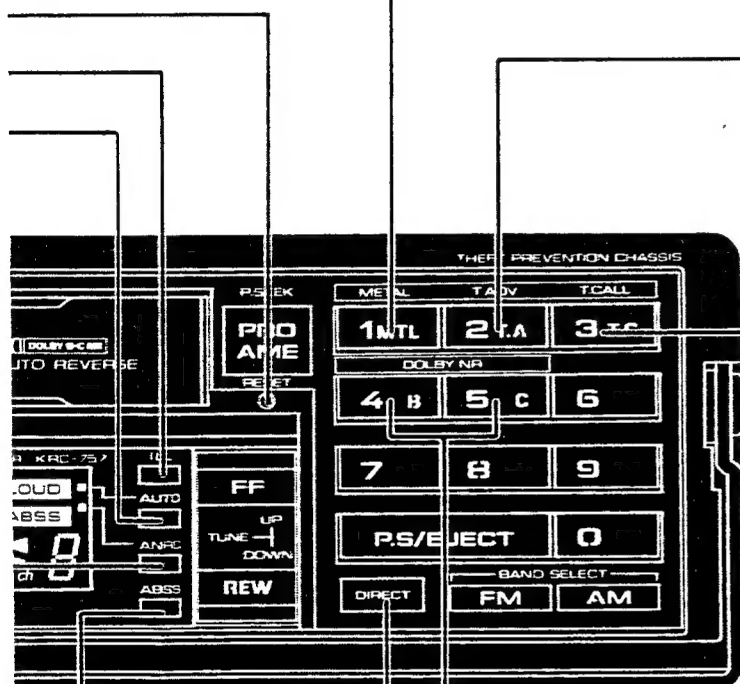
In Tape Play mode, this switch allows you to locate the beginning of the next or current selection. Set to ON and Fast Forward or Rewind the tape.



ON



OFF

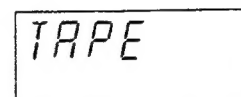


### Tuner Call switch

In Tape Play mode, if this switch is ON, a radio broadcast can be heard during tape Fast Forward or Rewind operation.



ON



OFF

### Direct tuning switch

When this switch is pressed, the frequency of a broadcast can be directly input with the numeric keypad to tune to the desired station.

### Dolby NR switches

In Tape Play mode, set this switch to ON when playing back a tape recorded with Dolby NR system.



Dolby B ON



Dolby C ON



Dolby system OFF

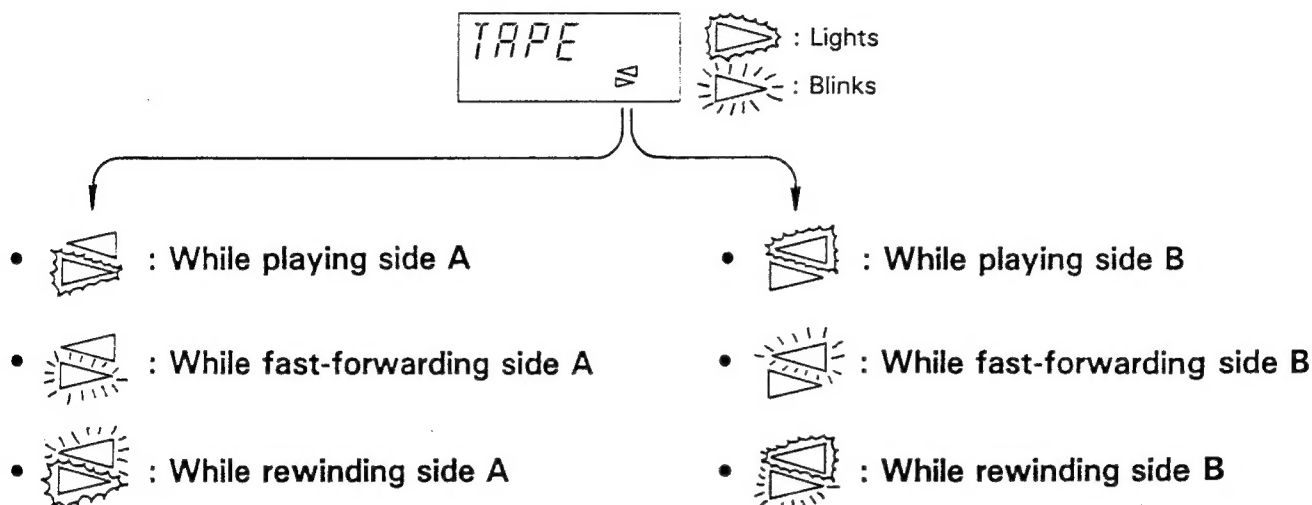
# Operation

## ■ Tape playback

1. Turn the power ON.
2. When a cassette is inserted with the cassette shell opening at the right, playback starts.
3. Select the NR system and tape position according to the tape to be used.
4. When the Program switch is pressed, playback of the reverse side of the tape starts.
5. To stop playback, press the eject switch.

## ■ How to check the program indicator

- When a cassette tape is loaded with Side A facing upward, the Program indicator will light or blinks depending on the condition as follows:



## ■ Tape advance

The non-recorded portion of the tape is detected which locates the beginning of the selection for playback.

1. If you want to hear the selection you are listening to again from the beginning, press the Tape advance switch, and then rewind. The tape will stop rewinding at the beginning of the selection, and playback will recommence.
2. If you want to hear the selection following the one you are listening to, press the Tape advance switch, and then fast forward. The tape will stop at the beginning of the next selection, and playback will recommence.
3. It should be noted that the Tape advance function may not work correctly in the following cases:
  - Tapes where the unrecorded space between selections is less than 5 seconds.
  - Tapes where selections include passages with low recording levels lasting longer than 5 seconds.

## ■ Key-Off Eject

When the ignition key or Power switch is turned off with the tape loaded, the tape will be automatically ejected about 3 seconds after to prevent damaging the tape or cassette mechanisms.

## ■ The KRC-757 incorporates Dolby NR B/C types system.

### Dolby B type NR system

In general, Dolby NR refers to the B type noise reduction system. By encoding and decoding the higher frequency components of a small signal, the noise level can be reduced by a maximum of 10 dB.

### Dolby C type NR system

The dynamic range is expanded by 10 dB compared with the B type noise reduction system. The anti-saturation circuit encodes and decodes higher level signals by a maximum of 3 dB to reduce distortion when the input signal level is high.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

## ■ Auto tuning (seek)

1. Turn the power ON.
2. Select the desired band.
3. Set the Auto/Manual selector to Auto.
4. When the tuning switch is pressed, the tuner starts searching for the next listenable station.

## ■ Manual tuning

1. Turn the power ON.
2. Select the desired band.
3. Set the Auto/Manual selector to Manual.
4. Using the Tuning switch, tune in to the required station frequency. Tap the switch once to vary the frequency one step, hold the switch to vary the frequency continuously.

## ■ Direct access tuning

1. Turn the power ON.
2. Select the required band.
3. Press the Direct tuning switch. "88.8" blinks in the frequency display for FM, and "1888" is displayed for AM, for about 5 seconds.
4. While the frequency display is blinking, input the frequency number with the Preset station switches.

For example:

- To tune to FM 87.9 MHz:

Press .....  /  /

- To tune to AM 1620 kHz:

Press .....  /  /  /

Caution:

Numbers other than a receiving frequency cannot be input.

## ■ Station memory

1. Turn the power ON.
2. Receive the desired station.
3. When the Preset station switch to be memorized is kept pressed for more than 2 seconds, the receiving station frequency will be stored in the switch pressed. After this, the memorized station can be recalled by tapping that switch once.

## ■ Auto memory

10 stations in the selected band can automatically be memorized.

1. Turn the power ON.
2. Select the desired band.
3. Press the Auto memory switch for more than 2 seconds.
4. The selected band is automatically scanned and 10 stations are memorized. When 10 stations are memorized, the auto memory function is automatically released.

## ■ How to perform preset scanning

1. Store a station frequency for each one of 1 to 0 Preset station switches.
2. When the Preset Scan switch is pressed while the Auto/Manual switch is ON, only the very strong broadcasting station preset by the Preset station switches are monitored in sequence for 5 seconds each. When the Auto/Manual switch is OFF, all 10 preset channels are monitored. The current monitoring station is displayed in Preset station switch No. display.
3. When the required station is received, press the Preset Scan switch again, or press the Preset station switches whose Preset station switch No. display is lit.

## ■ Channel space selection

The KRC-757 has a channel space select function. Two spacing frequencies are available for both FM and AM; 200 kHz or 25 kHz for FM, and 10 kHz or 9 kHz for AM.

1. With the power off, press the "1" and the "5" Preset station switches simultaneously.
  2. Turn the power ON while holding both switches pressed.
  3. The channel spacing is changed to 25 kHz for FM and 9 kHz for AM. To return to the initial condition (200 kHz for FM and 10 kHz for AM), perform this operation once more.
- When the channel spacing is set to 25 kHz for FM, the last "25" is expressed by 25 , 50 , 75 in the display.

For example:

92.100 MHz ⇒

• 92.1

92.125 MHz ⇒

• 92.1<sup>25</sup>

92.150 MHz ⇒

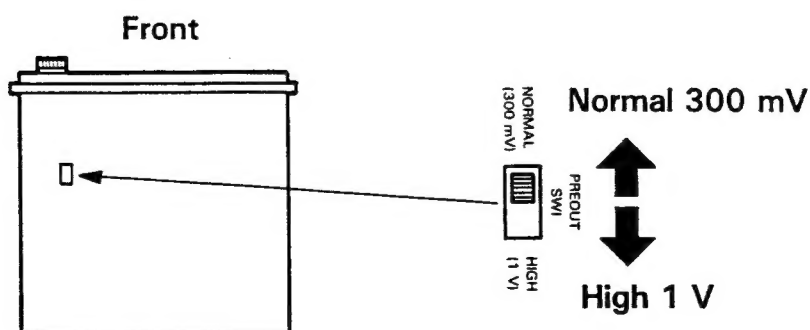
• 92.1<sup>50</sup>

92.175 MHz ⇒

• 92.1<sup>75</sup>

- When the channel space is changed, the memorized contents are stored and the display turns green.
- The channel space selection is not used in United States or Canada.

## ■ Preamp output voltage selector (Bottom view)



# Care and maintenance

- The power source of this unit is exclusively DC 12 V, negative ground.
- Do not place the cassette receiver in a place where the cassette receiver may be exposed to direct sunlight, heat or moisture. Be careful that metal objects and water do not enter the set.
- If you have difficulty in installing the set in your car, please contact your KENWOOD dealer.

## Notes on handling tape

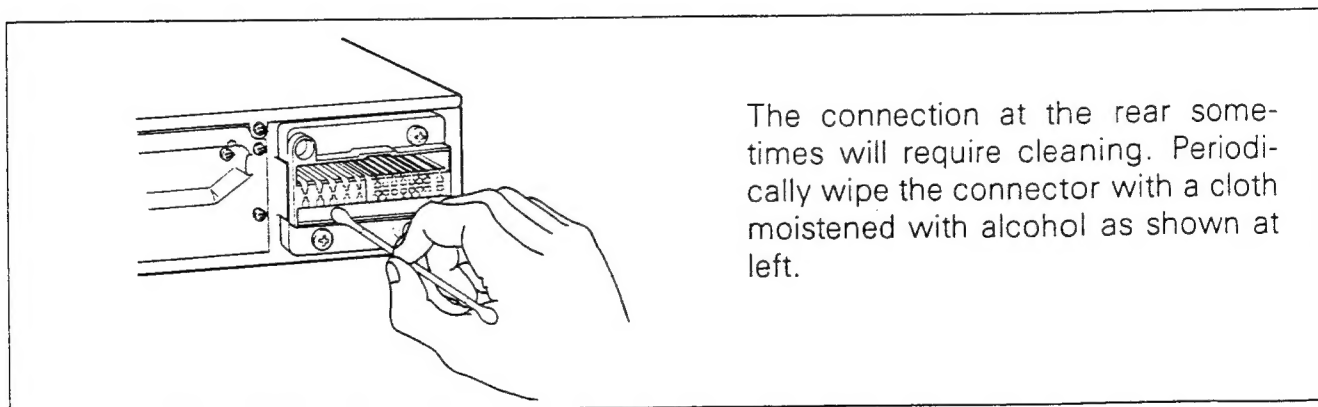
- Before loading a cassette, check the tape for slack. If there is slack tape, remove it using a pencil to turn one of the spools in the cassette shell.
- Do not expose the cassette tape to direct sunlight. Leaving a cassette at high temperature or humidity can deform the cassette shell or tape.
- 120-minute tape is very thin. Avoid its use, because it can easily be twisted around the pinch roller.

## Head cleaning

Magnetic particles from the tape adhere to the head surface after a long period of use, resulting in noise and poor quality sound. Clean the head with cleaning tape available at your KENWOOD dealer. And follow the directions with the head cleaner.

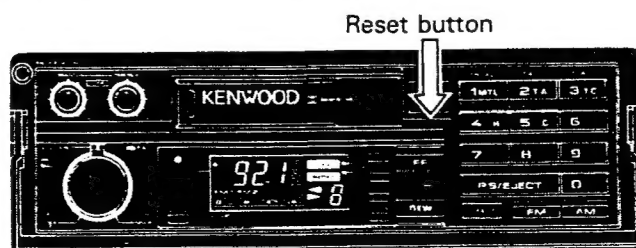
## CAUTION:

- The KRC-757 includes a lithium backup battery to retain memory in the microprocessor. If the unit can no longer retain its memory, this lithium battery may have been discharged. If this happens, bring the unit in to an authorized service center. This backup lithium battery life is estimated at about 7 years.



## • If your set malfunctions

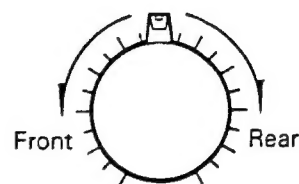
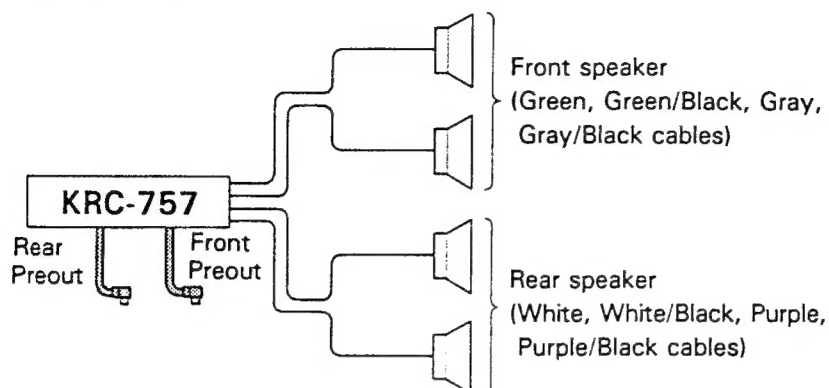
If your set malfunctions or operates abnormally, first press the Reset button. If the malfunction persists, leave the set as it is and please call your KENWOOD dealer.



## ■ Fader control

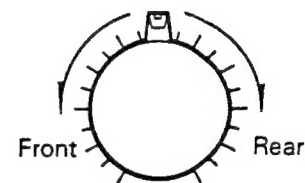
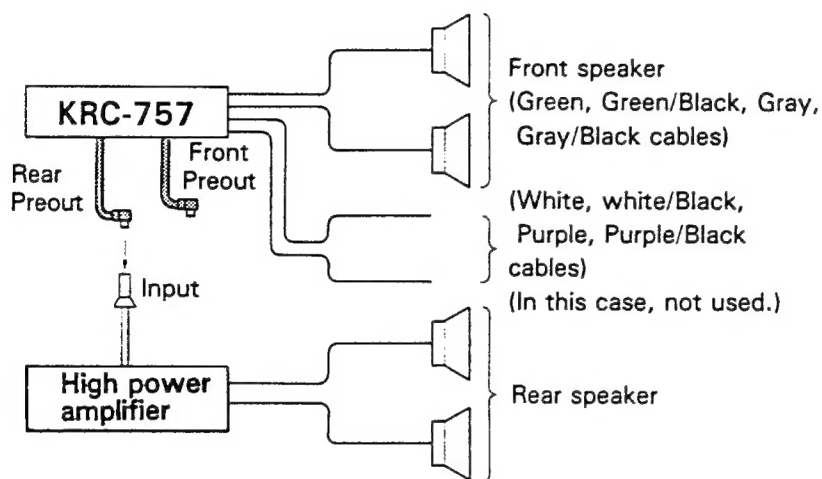
When a 4-speaker system is constructed using the fader control, 3 types of operation are possible as follows.

### 1. To use as a power fader

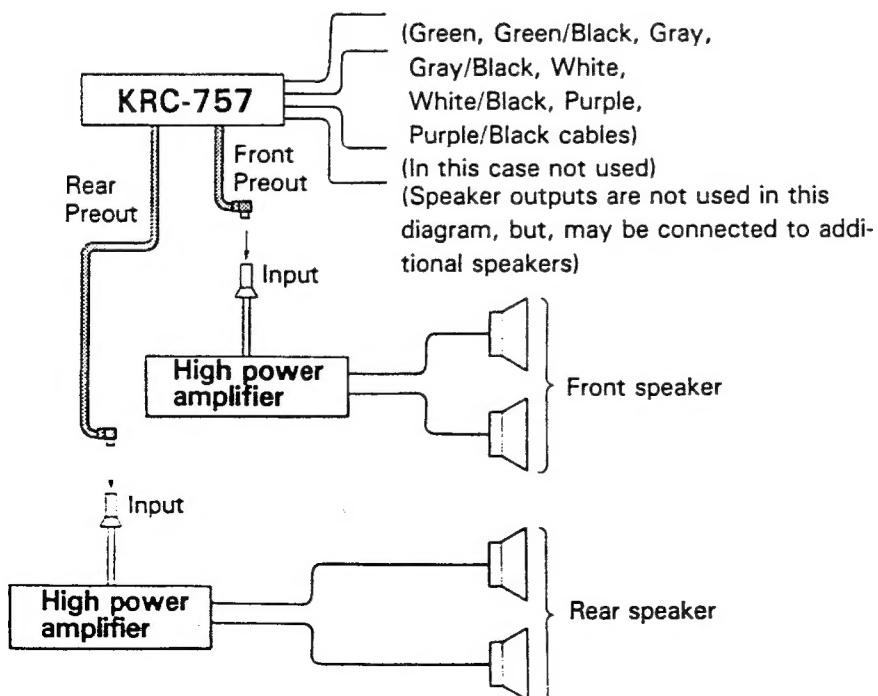


Fader control

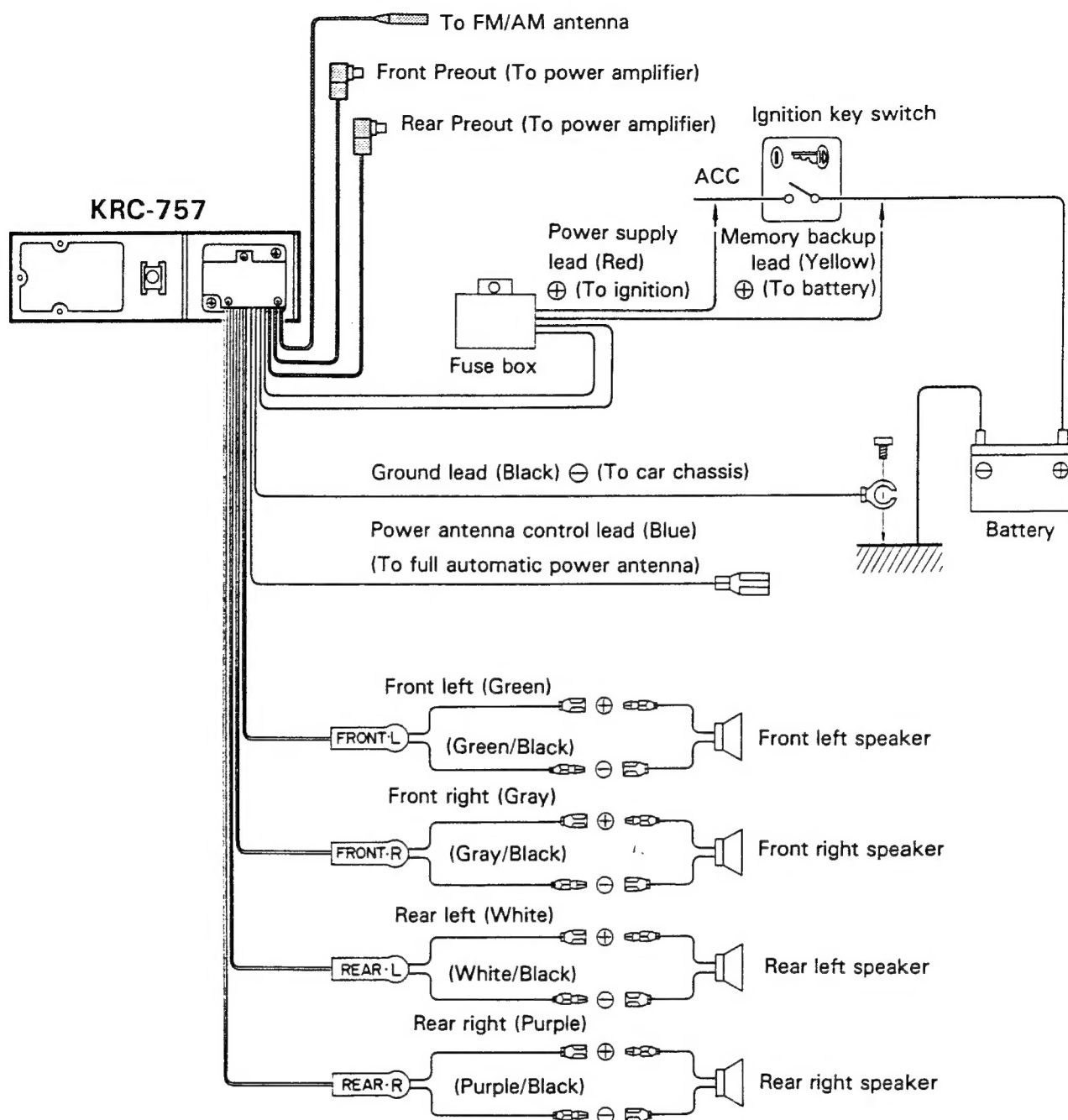
### 2. To use as a preout fader



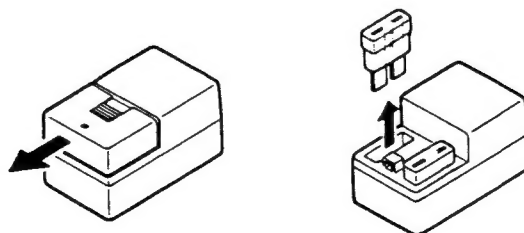
Fader control



# Connection

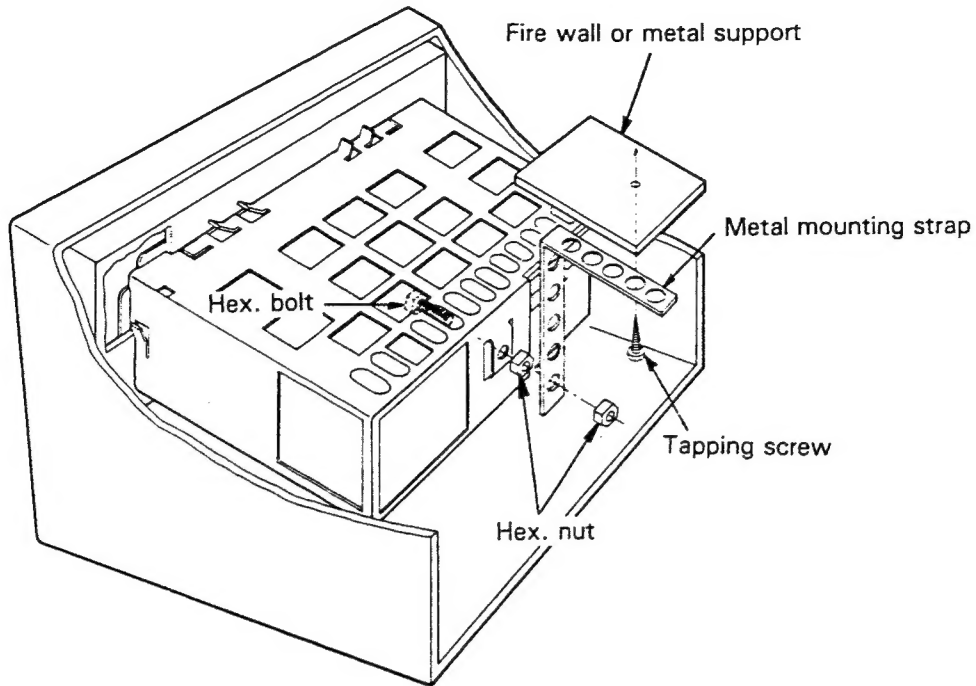


- Secure unconnected wires properly so that they do not contact the vehicle chassis.
- If a fuse is blown, first check that the associated wires are not short-circuited, then replace the fuse with a new one having the same capacity.

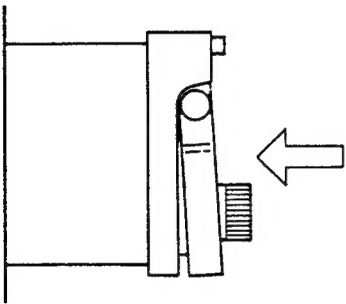


# Installation

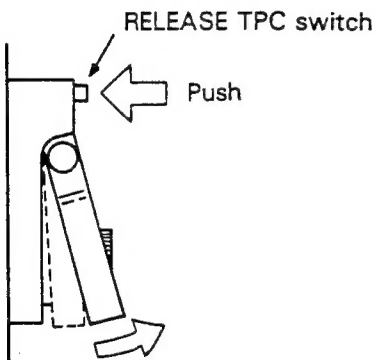
1. Insert the detachable case into the console and clamp with the claws. Console opening may need to be filed slightly.



2. Insert the unit into the detachable case.

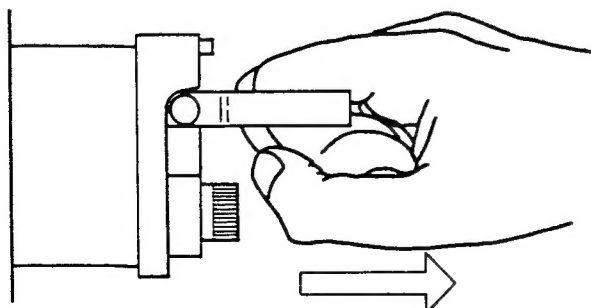


3. To remove the unit, press the RELEASE TPC switch to raise the handle, then pull out.



## CAUTION

Be sure to turn the power switch off when installing or removing.



# Specifications

Specifications subject to change without notice.

## FM Tuner Section

Frequency Range (200 kHz space)	87.9 MHz ~ 107.9 MHz
(50 kHz space)	87.5 MHz ~ 108.0 MHz
Channel Space	200 kHz/25 kHz
Usable Sensitivity	12.0 dBf (1.1 $\mu$ V/75 ohms)
50 dB Quieting Sensitivity	15.2 dBf (1.6 $\mu$ V/75 ohms)
Frequency Response ( $\pm 3$ dB)	30 Hz ~ 15 kHz
Signal to Noise Ratio	75 dB
Alternate Channel Selectivity	70 dB
Capture Ratio	1.5 dB
Image Response Ratio	70 dB
IF Response Ratio	73 dB
Stereo Separation (1 kHz)	40 dB

## AM Tuner Section

Frequency Range (10 kHz space)	530 kHz ~ 1,620 kHz
(9 kHz space)	531 kHz ~ 1,611 kHz
Channel Space	10 kHz/9 kHz
Usable Sensitivity	28 dB (30 $\mu$ V)

## Cassette Deck Section

Tape Speed	4.76 cm/sec
Wow & Flutter	0.12% (WRMS)
Fast Winding Time (C-60)	100 sec
Frequency Response (120 $\mu$ s)	30 Hz ~ 17 kHz ( $\pm 3$ dB)
(70 $\mu$ )	30 Hz ~ 19 kHz ( $\pm 3$ dB)
Stereo Separation (1 kHz)	40 dB
Signal to Noise Ratio (NR OFF)	58 dB
(Dolby-B ON)	67 dB
(Dolby-C ON)	73 dB

## Audio Section

Max. Output Power	8 W $\times$ 2 into 4 ohms, 1 kHz
Power Output	6 W $\times$ 2 into 4 ohms, 1 kHz at 10% THD
	4 W $\times$ 2 into 4 ohms, 30 Hz ~ 20 kHz at 1% THD
Tone Action	Bass: 100 Hz $\pm 10$ dB
	Treble: 10 kHz $\pm 10$ dB
Preamp Output	Normal: 300 mV/10 k ohms Load
	High: 1 V/10 k ohms Load

## General

Operating Voltage	14.4 V (11 ~ 16 V allowable)
Current Consumption	2.7 A at Rated Power
Body Size	182 $\times$ 52 $\times$ 155 mm
	(7-3/16 $\times$ 2-1/16 $\times$ 6-1/8 in.)
Weight	2.0 kg (4.4 lb)